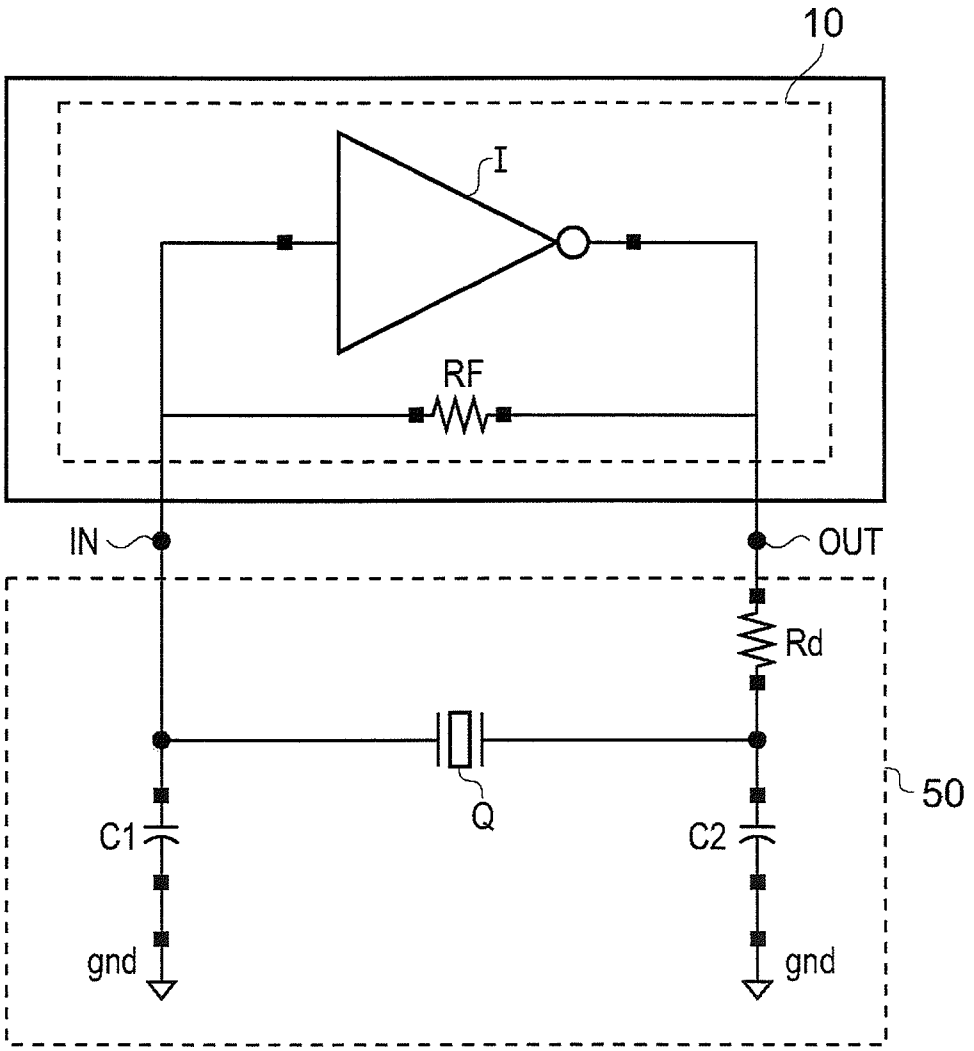


FIG. 1 (Prior Art)

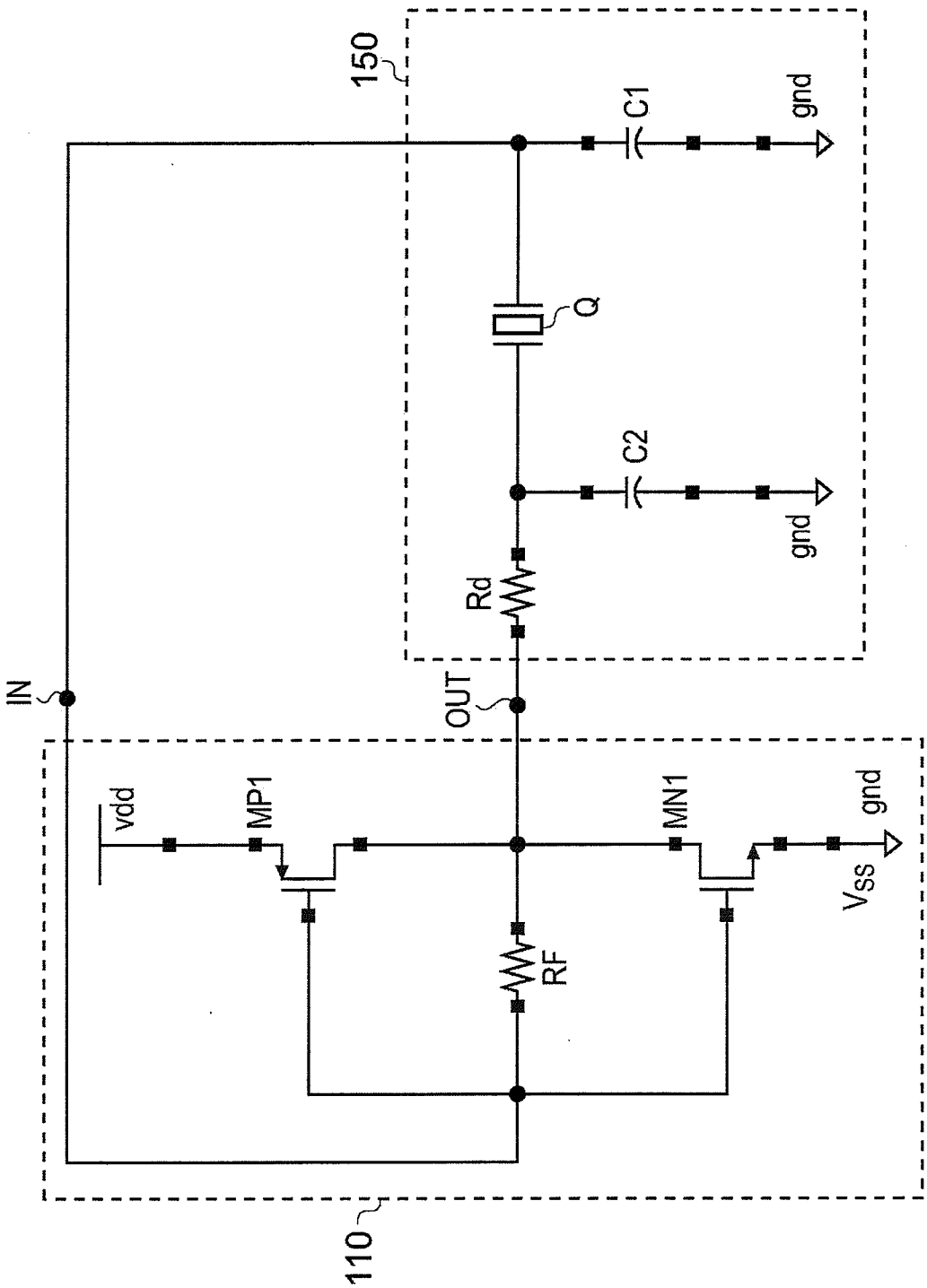


FIG. 2 (Prior Art)

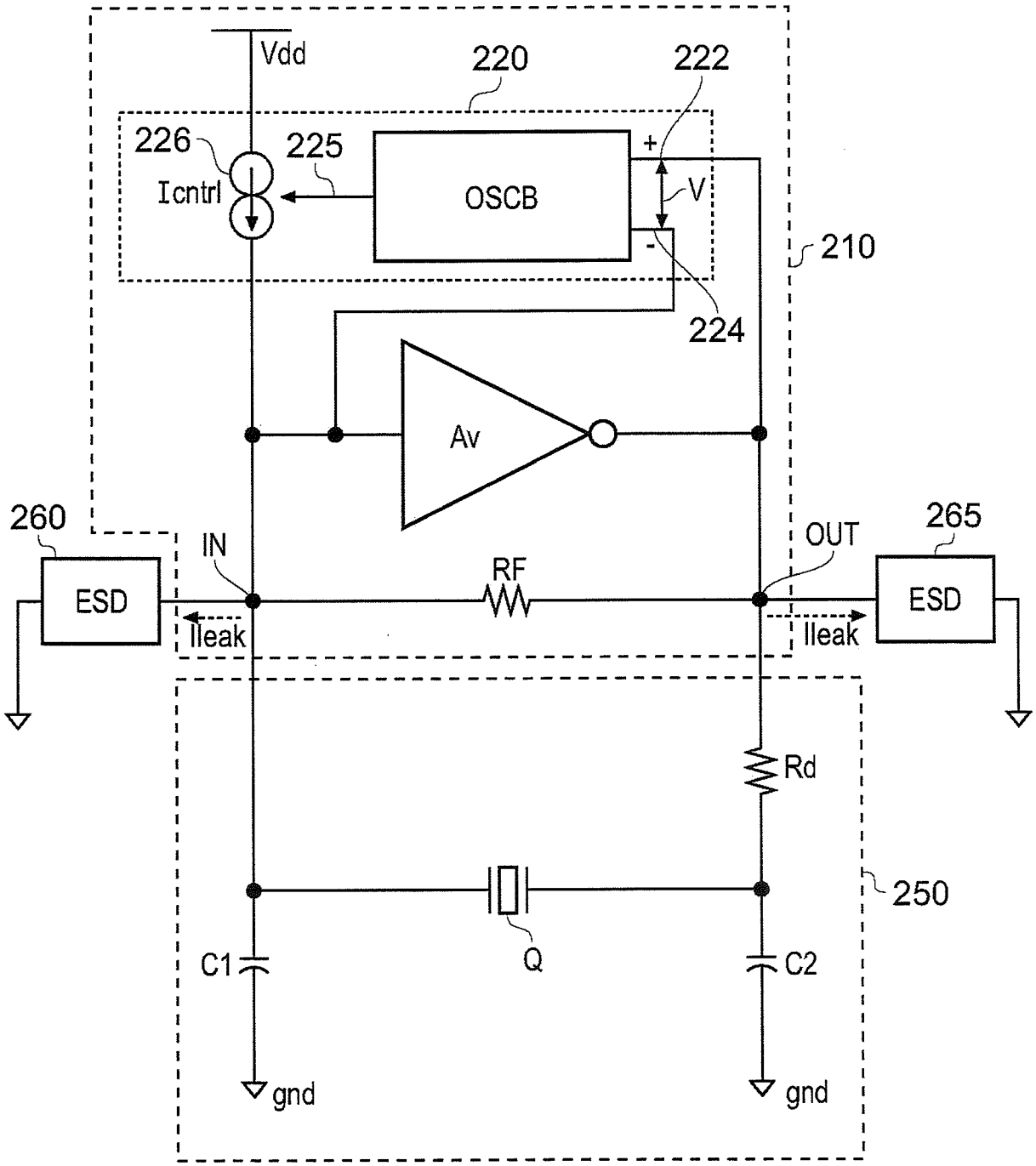

Vdd
220
222
226
225
Icntrl
OSCB
+
V
-
210
224
Av
260
IN
RF
OUT
265
ESD
Ileak
Ileak
ESD
Rd
250
C1
Q
C2
gnd
gnd

FIG. 3

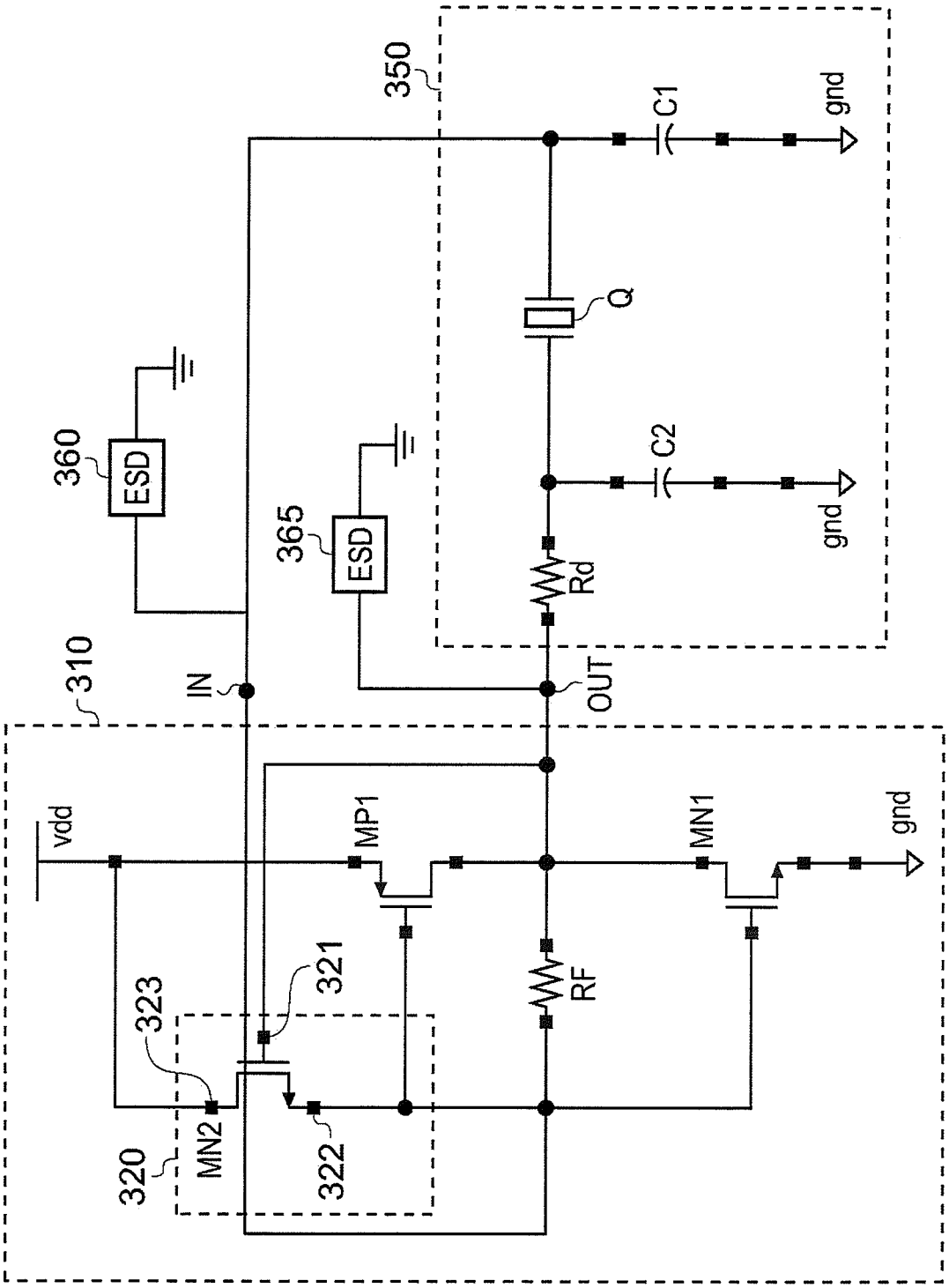

350
C1
gnd
Q
C2
gnd
360
ESD
365
ESD
Rd
310
IN
OUT
vdd
MP1
MN1
gnd
323
321
RF
320
MN2
322

FIG. 4

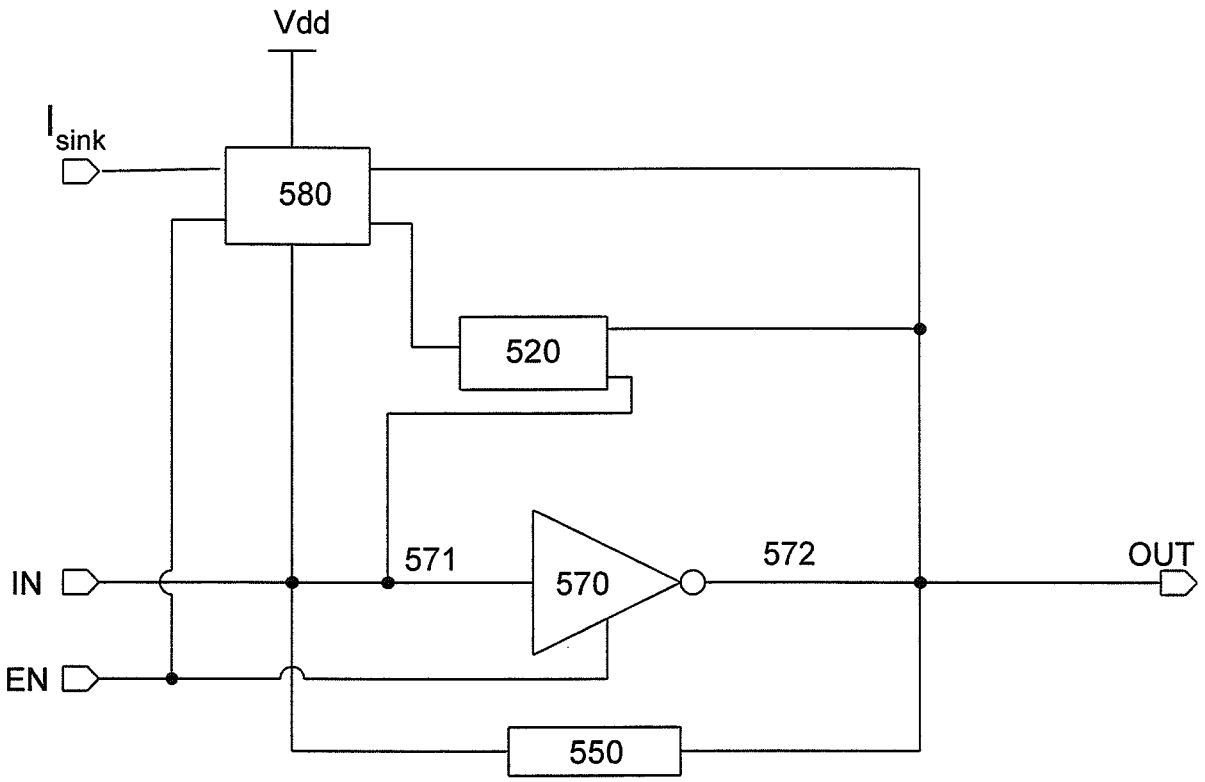


FIG. 5

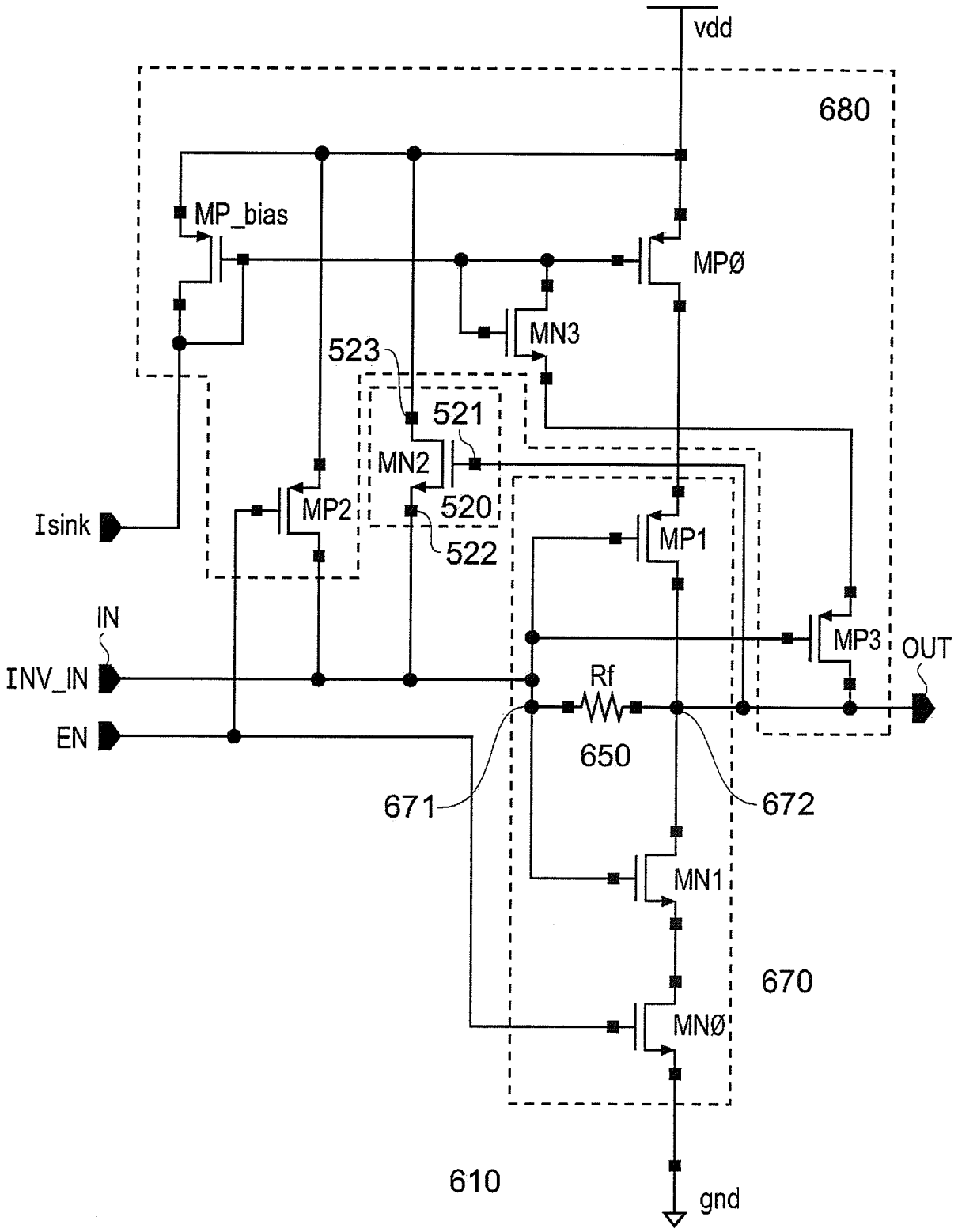

vdd
680
MP_bias
MPØ
MN3
523
521
MN2
520
522
MP2
Isink
MP1
IN
MP3
OUT
INV_IN
Rf
EN
650
671
672
MN1
670
MNØ
610
gnd

FIG. 6

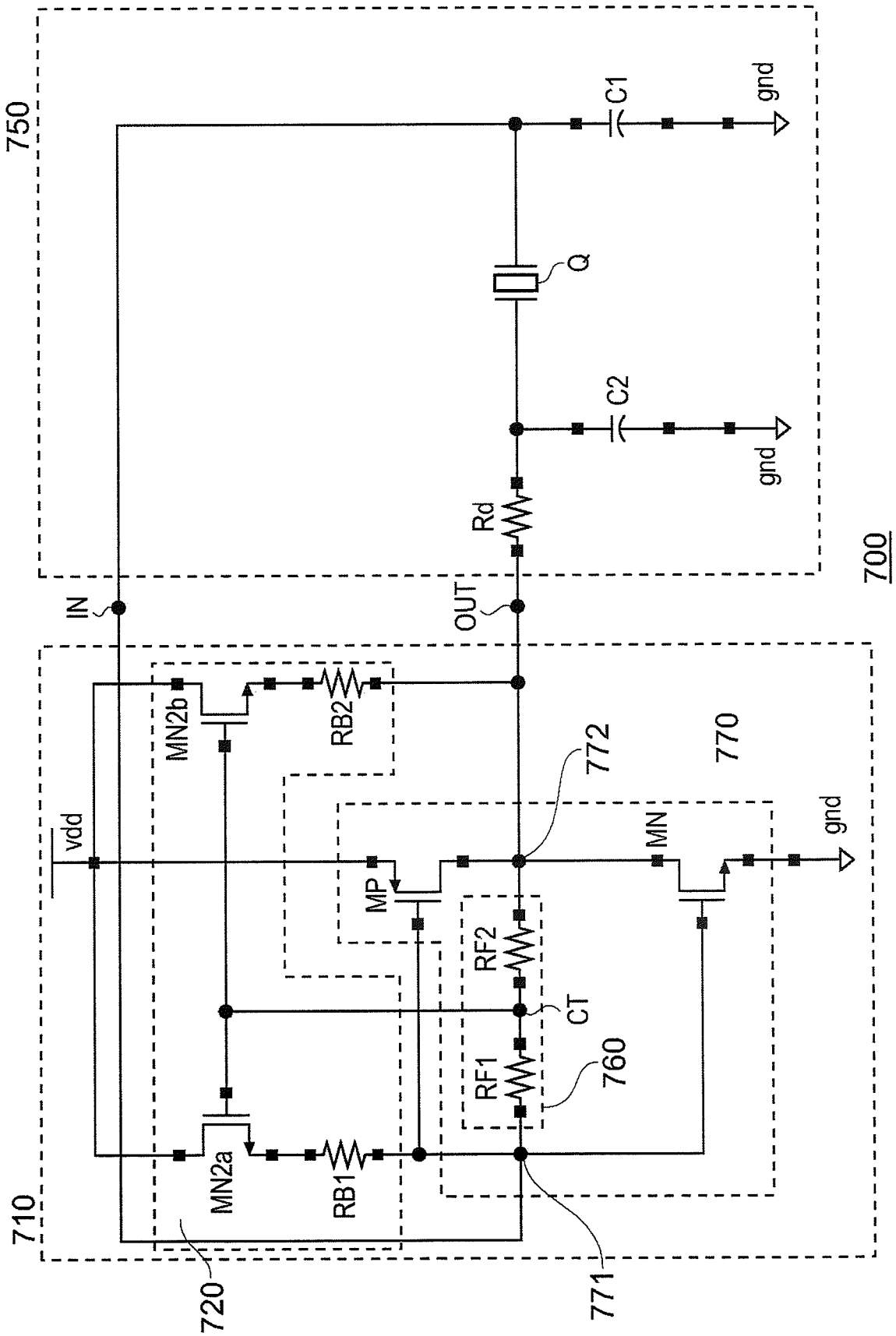

750
C1
gnd
Q
C2
gnd
Rd
700
IN
OUT
MN2b
RB2
772
770
vdd
MP
MN
gnd
RF2
CT
RF1
760
MN2a
RB1
710
720
771

FIG. 7